

INFO-HAMS Digest

Fri, 20 Oct 89

Volume 89 : Issue 783

Today's Topics:

Aircraft headsets
Alt.power.sources
callsign project, usenet un-net, acknowledgements
Earthquake in SF!!! (2 msgs)
INFO-HAMS Digest V89 #778
Neutralizing Heathkit finals (6146/A/B woes)

Date: 16 Oct 89 18:25:43 GMT

From: tekbspa!optilink!elliott@lll-winken.llnl.gov (Paul Elliott x225)

Subject: Aircraft headsets

In article <353@foobar.hf.intel.com>, jim@foobar.hf.intel.com (Jim Garver) writes:

> Where can I get electret mic elements that are noise cancelling?

...

> Just what is an electret mic, anyway? Is it a condenser or a

> piezo element?

Electret mics are a type of condenser mic. While a classic condenser mic needs a high voltage source to charge the capacitor element, the electret mic uses a pre-charged membrane (I think teflon, and other plastics are used). The electret membrane is unusual in that it is charged during the manufacturing process, and it retains the charge for many years. Early electret mics tended to discharge after only a short time (months) in high temperature, humidity environments, but significant improvements have been made in past years.

Most common electret mics use a FET to buffer the electret element, and can be used in a three-wire, source follower, or a two-wire, common-source configuration.

They are available in noise-cancelling (close-talking) and directional versions, and should cost under \$10 (we used to buy them for \$1 or \$2 in qty a few years ago.) I used to design hearing-aids (VHF FM hearing-aids, at that) as well as telephone headsets using electret mics. Unfortunately, my data sheets are not handy, but if nobody posts on this shortly, I will dig up some manufacturers for you.

...Paul Elliott

--

Paul M. Elliott Optilink Corporation (707) 795-9444

{pyramid,pixar,tekbspa!optilink!elliott

"I used to think I was indecisive, but now I'm not so sure."

Date: 19 Oct 89 17:27:28 GMT
From: rti!tijk02!jkl141@mcnc.org (John Leroy)
Subject: Alt.power.sources

>From article <6223@b11.ingr.com>, by herbster@b11.ingr.com (Joe Herbster):
>
> Regarding Field day power sources.....
>
> Wind power is fickle and not so portable.
> Solar is expensive, not so good at night.
>
> How about STEAM power.....I got the idea from one of those
> little steam engines i had as a kid (younger kid). Does any
> one know of sources of information or assemblies for a decent
> sized steam engine??
>
> Given-up on water generator..... de KM4JN

Get a copy of Model Railroader magazine at the local newsstand and look for an ad from an outfit called Little Engines (in CA, I believe). They have kits and castings for scale locomotives and stationary engines. You could probably even compute available horsepower from the scaling factor. Actually, the efficiencies of these little engines is probably better than the originals.

--

-John LeRoy

Packet Radio: WA4VLV @ WX4S
Compuserve: 74136,401
UUCP: rti!tijk02!jkl141
Phone: 615-461-2440

Date: 19 Oct 89 22:08:09 GMT
From: cadnetix.COM!cadnetix!rusty@uunet.uu.net (Rusty Carruth)
Subject: callsign project, usenet un-net, acknowledgements

The tape from the NTIS is here! It arrived Wed. 10-19-89. I will definately be fooling with it this weekend.

Which means that I will definately NOT be on the usenet un-net this weekend (and since I may be sending my radio out to Heath to be fixed (a 5-week turnaround :-()), I may not be on 10M (yea, verily - for that matter ANY HF band!) for a month or so unless someone

here in Boulder wants to loan me their 10M rig :-)

Also,

I've been having problems with mail getting to everywhere its supposed to, especially since 'tesla' just changed its name and we don't have it in our maps yet. So, some of you have not gotten your confirmation on sending me media. So, I'd like to take this opportunity to say "I've gotten media from some people who I am acknowledging as I write this, so if you don't get an ack of your media within a day or so, contact me!" (Unless, of course, you have not sent any media :-)

However, I don't have email address for some people, and I will try to get the replies to you tomorrow. (11 people, arrgghhh!) :-)

Thanks, and as they say, keep those cards and letters coming :-)

---Join the usenet un-net, 28.410 and/or 28.390, 1500Z to 1600Z saturdays!
Rusty Carruth. Radio: N7IKQ ^^ or later :-)
DOMAIN: rusty@cadnetix.com UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette 80026

Date: 19 Oct 89 22:20:59 GMT
From: cadnetix.COM!cadnetix!rusty@uunet.uu.net (Rusty Carruth)
Subject: Earthquake in SF!!!

In article <1114@tundra.misemi> chiprout@.UUCP writes:
>If anyone has news about the quake: damage, reports, news, etc. please
>post. How have companies been affected?

Dazix was open yesterday and today, but not many people came in to work, apparently for transportation reasons...

Or, at least, thats what I've heard.

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Rusty Carruth. Radio: N7IKQ ^^ or later :-)
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home: POB. 461, Lafayette 80026

Date: 19 Oct 89 23:57:45 GMT

From: gem.mps.ohio-state.edu!uwm.edu!uakari.primate.wisc.edu!ginosko!usc!srhqla!
quad1!ttidca!walker@tut.cis.ohio-state.edu (Wade Walker)
Subject: Earthquake in SF!!!

see ca.news for earthquake news.

--

AKA walker@ttidca.tti.com Citicorp/TTI Santa Monica, California
ALL statements and opinions are the sole responsibility of
Wade E. Walker, Jr. and do not necessarily reflect the opinions and
attitudes of Citicorp and/or Citicorp/TTI and their employees and MGMT.

Date: Fri 20 Oct 1989 05:40:44 EST
From: Don Hemenway <hemenway@radar.nrl.navy.mil>
Subject: INFO-HAMS Digest V89 #778

Date: 19 Oct 89 22:19:14 GMT
From: cadnetix.COM!cadnetix!rusty@uunet.uu.net (Rusty Carruth)
Subject: Neutralizing Heathkit finals (6146/A/B woes)

In article <3532@aplcen.apl.jhu.edu> @aplvax.jhuapl.edu:mjj@stda.jhuapl.edu
(Marshall Jose) writes:

...
>, and how even Heathkit claims that the A & B series tubes
>cannot be successfully neutralized.
>
>...<expl. of procedure>...
> presumably because the Cgp changes with Ip, and
>one wants to neutralize for the full-power condition.

I had wondered what the exact reason for this was, now I might know :-)

>Can someone out there please straighten me out on this? Am I worrying too
>much about this? Thanks,
>
>Marshall Jose WA3VPZ
>mjj@aplvax.jhuapl.edu || ...mimsy!aplcen!aplvax!mjj

well, Marshall, all I can tell you is the results I just had while
trying to figure out why my SB102 does not like the 10 M band :-(

I went through all the procedures, and found that I could get Ip
to dip when Po was max (or close enough as far as I was concerned!),
but it did seem to be pretty close to the end of the adjustment range.

I cannot say for sure, but I'm pretty sure I've got A's in my rig,
not plain 6146's. I'll double-check before I send it off to
Heathkit for work (it still does not like 10M, even though it seems
to like the other bands just fine :-)

I just hope they don't put new 6146's in, since the ones in there seem
to be just fine....

(Quick! Anybody want to fix my SB102 for me? :-) Heath wants \$105, and quotes
5-week turnaround... So much for the 10m (or any HF band) usenet un-net
for a few weeks :-) Oh, well. It will probably be sent off Friday or
Saturday to Heath so replies about the quality/cost/whatever of Heath
work would be greatly appreciated QUICKLY!)

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End of INFO-HAMS Digest V89 Issue #783
